

**North Carolina Department of Labor
Occupational Safety and Health Division**

Raleigh, N. C.

Field Information System

Operational Procedure Notice 64C

Subject: Initial Training Program for OSH Compliance Personnel

- A. **Purpose.** This instruction provides guidance and direction to the North Carolina Department of Labor Occupational Safety and Health Division (OSH Division) concerning policies and procedures for training compliance safety and health officers (CSHOs) during the initial three-year period of a CSHO's career, including recommended training that assists the CSHO with preparation for professional certification exams. It is essential that CSHOs have the requisite knowledge, skills, capability and varied professional backgrounds to accomplish the OSH Division's mission of promoting safe and healthful working conditions for employees in the state. This OPN was developed from OSHA Training and Education Directive (TED) 01-00-018.
- B. **Goals and Objectives of CSHO Training.** The goal of this instruction is to assist CSHOs and their supervisors with direction, guidance, and training options that directly contribute to the CSHO's ability to represent the OSH Division with a high degree of professional expertise. In addition, the CSHO training program identifies a correlation between CSHO competency and achieving respected credentials in occupational safety and health such as Certified Safety Professional (CSP), Certified Industrial Hygienist (CIH) and Certified Construction Health and Safety Technician (CCHST®).
- 1) **Competency-Based Curriculum.**
- a) The OSH Division and the OSHA Training Institute (OTI) offer formal training for CSHOs with a competency-based approach to curriculum, using the CSHO Functional Competency Model as the guide. A copy of the CSHO Competency Model and related information on the OTI curriculum and professional certification can be found on federal OSHA's Directorate of Training and Education Intranet and Internet web pages. If you need additional information, in addition to this OPN, please contact the ETTA training supervisor.
- b) It is important to note that competence cannot be achieved through formal training alone. Proficiency requires a mix of experiences over time, personal initiative to develop to the highest level of professionalism possible, and structured on-the-job training as well as formal training.
- 2) **Formal Training Program.** The OSH Division and OTI's formal training program provides a wide range of training opportunities and learning experiences to assist CSHOs with their professional development goals. A flexible program that incorporates technology-enabled learning, self-study packages, on-the-job experiences and formal training has been developed to accommodate the varying levels of experience and competence during the initial three-year period of a CSHO's career. OTI's training paths reflect basic requirements and competencies applicable to all CSHOs as well as those

intending to gain additional expertise. North Carolina has developed and received matrix criteria from federal OSHA for the curriculum of most OTI courses. By restructuring the North Carolina curriculum and developing applicable courses that are equivalent to federal OSHA curriculum, North Carolina will be able to meet the requirements of TED 01-00-018 while also achieving more efficient use of our limited resources.

- 3) Technical Training during the First Three Years. The OSH Division and the OSHA Training Institute's (OTI) flexible yet structured approach to the curriculum meets the needs of CSHOs with highly diverse academic backgrounds and experiences. Supervisors and managers are encouraged to incorporate their office's training priorities into the CSHO's training program. For example, the needs of the district may dictate that new CSHOs receive technical training in industrial noise or machine guarding within their first year. The OSH Division and the OTI training programs offer district supervisors the opportunity to incorporate up to four additional technical courses at any time during the CSHO's initial three year training plan provided the CSHO has completed the #100 (or the OTI equivalent #1000) Initial Compliance and one of the standards courses, #105 or #125 (or the OTI equivalent #1050 or #1250). Selection of the technical courses to be attended and determination of the sequencing and priority are at the bureau chief's discretion.
- 4) Professional Certification. Adherence to this OPN articulates a progression of training requirements for the first three-year period of a CSHO's career which supports the pursuit of professional certification and encourages CSHOs to strive for the recognition that such certification provides. Since courses are designed to support the OSH Division's mission, there may not always be a one-to-one correlation between the OPN technical course and the competencies required to achieve certification. Correlation of the courses in this OPN to professional certification can be found in Appendix D of this instruction.

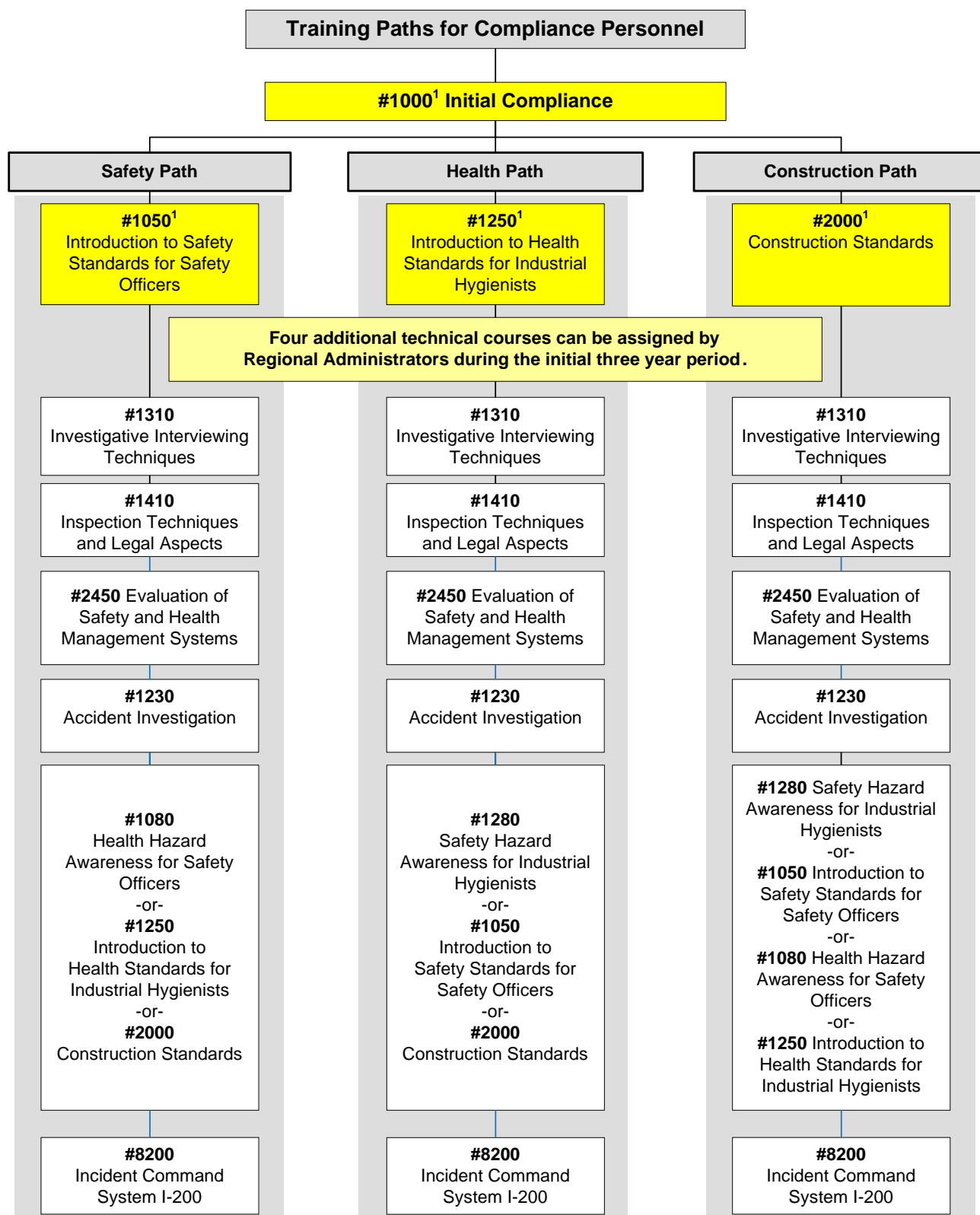
C. First Three Years of CSHO Training. The requirements for the first three years of the CSHO training program will be accomplished by using the OTI Career Path for CSHOs [First Three Years] (see Figure 1), the OSH Division training paths (see Figure 2) or a combination of courses from each sequence that meets the overall intent of the training program. Courses outlined below include both the OSH Division course number (3- digit) and the equivalent OTI course number (4-digit). If there is no OSH Division course equivalent, the OTI course will be the only option to meet the training sequence requirement. The specific course taken by any CSHO will be based upon needs of the OSH Division and budget considerations. Trainees will follow the same training program as an employee hired as a compliance officer, although it can be expected that the trainee will take a longer period of time to progress through the initial and advanced training programs.

- 1) The following three courses must be completed within the first year of a CSHO's career. There is no limit to the number of courses a CSHO may take during any year.
 - a) #100 or #1000 Initial Compliance
 - b) Technical Writing
 - c) One of the following courses on OSHA Standards.
 - i. #105 or #1050 Introduction to Safety Standards for Safety Officers (safety career path/safety specialists).

- ii. #125 or #1250 Introduction to Health Standards for Industrial Hygienists (health career path/industrial hygienists).
 - iii. #2000 Construction Standards (construction career path/ construction specialists).
- 2) The following courses will be taken after the CSHO has completed one of the Standards courses.
 - a) #131 or #1310 Investigative Interviewing Techniques.
 - b) #141 or #1410 Inspection Techniques and Legal Aspects.

NOTE: The #141 and the #1410 Inspection Techniques and Legal Aspects course is the only course that cannot be waived.
 - c) #245 or #2450 Evaluation of Safety and Health Management Systems.
 - d) # 123 or #1230 Accident Investigation.
- 3) At least one of the following courses will be taken during a CSHO's initial three-year period to enhance multi-disciplinary competence.
 - a) Safety career path CSHOs will take at least one of the following:
 - i. #1080 Health Hazard Awareness for Safety Officers
 - ii. #125 or the #1250 Introduction to Health Standards for Industrial Hygienists
 - iii. #2000 Construction Standards
 - b) Health career path CSHOs will take at least one of the following:
 - i. #1280 Safety Hazard Awareness for Industrial Hygienists
 - ii. #105 or the #1050 Introduction to Safety Standards for Safety Officers
 - iii. #2000 Construction Standards
- 4) The #8200 Incident Command System I-200 course or equivalent training (i.e., course conducted by other governmental agencies or web-based course) must be taken during the initial three years of training; however, the specific sequence is not critical.
- 5) Four additional technical courses can be assigned by the district supervisor and approved by the bureau chiefs during the initial three years of the CSHO's training per section D.3. of this OPN

OSHA Training Institute Career Paths for CSHOs [First Three Years]



¹Initial Compliance and one of the Standards courses must be completed during first year

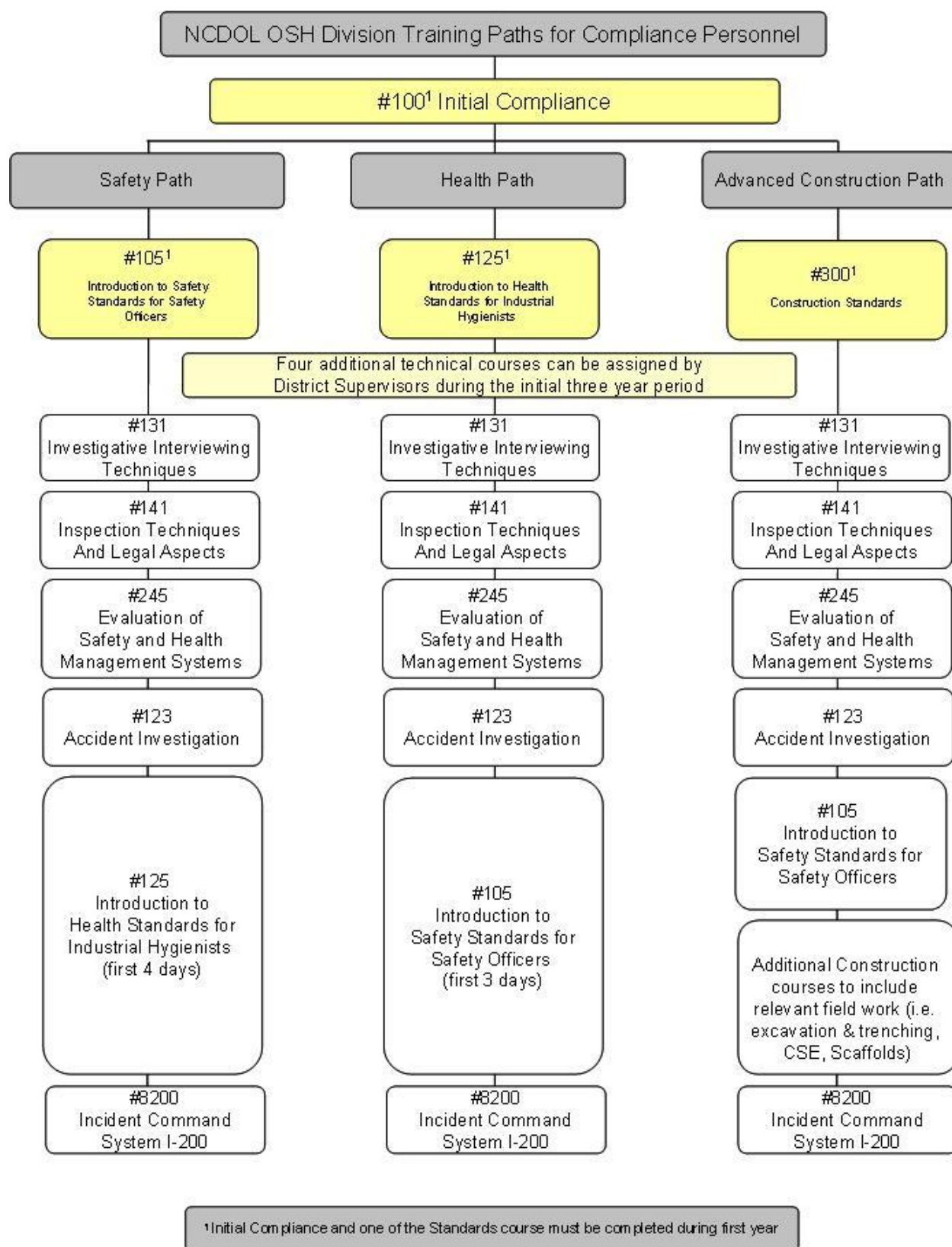


Figure 2

D. **Organizational Responsibilities.**

- 1) **OSH Administration.** The director and assistant director will support the training program, as appropriate, by providing resources, supplying current information on the status of programs, standards, regulations, and directives and ensuring program consistency and adequacy.
- 2) **OSH Education, Training and Technical Assistance (ETTA) Bureau.** The ETTA bureau chief will be responsible for providing programs to educate and train CSHOs in the skills and knowledge required to perform their duties. Responsibilities include:
 - a) Planning, developing and conducting technical and specialized training courses and seminars.
 - b) Conducting needs assessments and gap analyses to identify training needs for CSHOs in accordance with appropriate policies and procedures.
 - c) Developing classroom and technology-enabled training products designed to support the training and development of CSHOs.
 - d) Maintaining and updating competency-based training records to assist CSHOs in selecting training and development opportunities that match their Individual Development Plans (IDPs) and other professional development needs.
 - e) Conducting evaluations of training courses and programs designed for CSHOs.
 - f) Annotating the CSHO's training records to reflect waived required training and time extensions for required training.
 - g) Annotating the CSHO's training records to reflect alternative training for required courses.
- 3) **OSH Compliance Bureau Chiefs.** The compliance bureau chiefs will direct the execution of the training and education program in accordance with OSH Division policy. Specifically, the bureau chiefs may, at their discretion and based on the CSHO's experience level:
 - a) Approve up to four additional technical courses during the initial three year period of a CSHO's training program. This is in addition to the required courses outlined of this instruction.
 - b) Grant waivers and time extensions in accordance with the procedures explained in sections F and G of this OPN.
- 4) **OSH District Supervisor.** The district supervisor directs the planning and execution of OPN 64A. The district supervisor will be responsible for ensuring and facilitating the development and training of the CSHOs under their supervision. The district supervisor directs the execution of the training program in accordance with appropriate procedures and protocols. The district supervisor will ensure the successful implementation of the training program for compliance personnel as outlined in this instruction. Specifically, the district supervisor will:

- a) Ensure the professional development of CSHOs under their supervision in accordance with the detailed training options outlined in this instruction and Appendices.
 - b) Identify and document through an Individual Development Plan (IDP) process the training needs of CSHOs assigned to their supervision, and plan and coordinate all training.
 - c) Provide and coordinate instruction, assistance, and guidance that are consistent with the IDP process for CSHOs to meet the training program objectives outlined in this instruction.
 - d) Review and discuss training progress with each CSHO under their supervision during the mid-year and annual performance reviews.
 - e) Assign CSHO IIs to assist in the on-the-job training of newly-hired CSHOs through a mentoring system.
 - f) Assess and document CSHO abilities and send waiver requests per section F and requests for time extensions per section G of this OPN to the bureau chief for approval.
 - g) Accompany the CSHO on at least one inspection prior to release from training.
 - h) Recommend CSHO for release after successful completion of first year training requirements (refer to Appendix A). Initiate process for letter and certificate to be sent to CSHO.
 - i) Upon completion of CSHOs initial three years, assess and direct the continued career development of CSHO to include but not limited to OTI courses and advanced OSH Division courses (i.e.; PSM, Logging and Arbory, OCSS).
- 5) Compliance Safety and Health Officer (CSHO). The CSHO has the responsibility to perform to the best of their ability in all training programs. Specifically, the CSHO will:
- a) Discuss their performance and training progress with their supervisor.
 - b) Participate in the planning of training activities.
 - c) Fully attend, participate in, and complete all assigned training courses, seminars and other events.

E. **Professional Development during the CSHO's First Three Years.**

- 1) Required Training. In the interest of statewide consistency, it is expected that CSHOs will attend the required courses outlined in this instruction. The information provided in this section is intended to assist bureau chiefs in determining equivalency when issuing waivers. ETTA offers up-to-date information on course objectives, whether a course is blended, or has specific prerequisites.
- 2) Blended Courses. Blended courses include at least one online, web-based training requirement plus an instructor-led portion. Whenever a course prerequisite includes an

online, blended session, that web-based training must be completed prior to attending the instructor-led session. This requirement is due to the close link between the training offered online and the subsequent classroom (i.e., instructor-led) training which is designed specifically to complement one another.

- 3) Course Sequence. Both the Initial Compliance course and a standards course must be completed in year one of the CSHO's training path. It is recommended that courses be completed in a sequence optimal to attaining professional development goals and as resources permit. Course descriptions outlined below include both the OSH Division course number (3- digit) and the equivalent OTI course number (4-digit). If there is no OSH Division equivalent the OTI course will be the option to meet the training sequence requirement. The specific course to be taken by any CSHO will be based upon needs of the division and budget considerations.
 - a) # 100 or #1000 Initial Compliance. This course is designed for newly hired CSHOs and focuses on the basic elements of conducting inspections in accordance with current OSHA policy. Also emphasized is the importance of personal conduct and professional development. Role-play is used to allow CSHOs to practice how to conduct an opening conference. The course ensures that participants have the fundamentals of information gathering to document the *prima facie* elements in a case file. During a mock inspection, participants work in teams to investigate and document the validity of alleged complaint items. At the conclusion of this course, the CSHO will be able to identify CSHO responsibilities related to conducting an inspection as well as promoting, assessing and enforcing workplace safety and health compliance.
 - b) Standards Courses. The purpose of these courses is to provide CSHOs with an introduction to the organization and content of the standards, hazard recognition, and documentation of identified hazards.
 - i. # 105 or #1050 Introduction to Safety Standards for Safety Officers. This course is designed specifically for safety officers and emphasizes a wide range of safety hazards covered by 29 CFR 1910. The N. C. OSH Division course #105 also addresses safety hazards covered by 29 CFR 1926. During the course, CSHOs observe hazardous conditions where they will evaluate, document, select and apply standards and recommend corrective actions. At the conclusion of the course, the CSHO will be able to apply inspection techniques, basic safety hazards recognition and abatement for inspections where general industry standards apply. The first three days of the OSH Division #105 course can serve as the equivalent of the federal #1280 Safety Hazard Awareness for Industrial Hygienists
 - ii. # 125 or #1250 Introduction to Health Standards for Industrial Hygienists. This course is designed specifically for industrial hygienists and emphasizes recognition, evaluation and control of a wide range of health hazards covered by 29 CFR 1910 and substance-specific standards in 29 CFR 1926. At the conclusion of this course, the CSHO will be able to employ basic health hazard recognition; apply inspection sampling and instrumentation techniques and related OSH Division policies; and, identify abatement methods. The first four days of the OSH Division

#125 course can serve as the equivalent of the federal #1080 Health Hazard Awareness for Safety Officers.

- iii. #2000 Construction Standards. This course is primarily designed for safety specialists and industrial hygienists who will be expected to routinely conduct construction inspections. The CSHO will become acquainted with how the building process proceeds from site clearing to building finishing. Corresponding subparts of 29 CFR 1926 are presented in conjunction with the building process. The course features a field trip to a construction site to emphasize and reinforce learning.
- c) # 131 or #1310 Investigative Interviewing Techniques. This course is intended to serve as a practical interviewing guide for the CSHO. A major component of this course includes role-play using scenarios that provide the opportunity for CSHOs to practice interviewing skills. The course emphasizes developing a plan for gathering the necessary facts, characteristics of good questioning techniques, active listening, and cross-cultural communication.
- d) #141 or #1410 Inspection Techniques and Legal Aspects. This course introduces the CSHO to inspection techniques related to OSH Division compliance activity and to the associated formal requirements and processes of the legal system. Emphasis is placed on documenting a legally sufficient case file. The course includes the essential elements of conducting walk around inspections and interviews, and analyzing, organizing and documenting information related to inspections and investigations. CSHOs develop a sample legally defensible case file and potentially participate in a mock hearing as the culminating learning experience. **This course cannot be waived.**
- e) #245 or #2450 Evaluation of Safety and Health Management Systems. This course emphasizes applying the principles of Safety and Health Management Systems (SHMSs) using OSH Division guidelines and policies. Upon completion, the CSHOs will be able to evaluate the effectiveness of an employer's SHMS. A focus on recordkeeping requirements assists the CSHO in identifying system deficiencies between applicable safety and health elements and illness and injury reduction. Using active training techniques, CSHOs are guided to promote the value of an effective program that contributes to reducing illness and injury.
- f) # 123 or #1230 Accident Investigation. This course covers the key elements that are essential to conducting successful accident investigations. Major topics include investigation planning, documenting the scene, providing periodic updates, collecting facts through interviewing, failure analysis and analytical tools, collecting and analyzing physical evidence, and control strategies. Using a case file and interactive class workshops, CSHOs work in teams to gather and analyze evidence to develop facts, findings and conclusions.
- g) #300 Advanced Construction Course. This course is designed to meet the needs of the experienced CSHO's who will spend a significant amount of time on construction work sites. Many of the courses will include a classroom portion as well as a field portion. Specific topics include but not limited to excavation & trenching, confined space entry, cranes & derricks and scaffolding.

h) Multi-Disciplinary Courses.

- i. #1280 Safety Hazard Awareness for Industrial Hygienists. This course provides industrial hygienists with the knowledge and skills to become aware of selected safety hazards related to common worksite processes. By the end of the course, CSHOs will be able to decide if a referral is appropriate in accordance with OSH Division's occupational safety standards and guidelines. The first three days of the OSH Division #105 course can serve as the equivalent of the Federal #1280 Safety Hazard Awareness for Industrial Hygienists.
- ii. #1080 Health Hazard Awareness for Safety Officers. This course equips safety specialists with the skills to recognize health hazards while conducting workplace inspections and investigations. During the course, CSHOs participate in laboratories where they use detector tube pumps to screen for potential air contaminants and sound level meters to screen for noise hazards. By the end of the course, CSHOs will be able to decide if a referral is appropriate in accordance with OSH Division's occupational health standards and guidelines. The first four days of the OSH Division #125 course can serve as the equivalent of the federal #1080 Health Hazard Awareness for Safety Officers.
- iii. #2000 Construction Standards. This course is specifically designed for safety specialists and industrial hygienists who will be expected to routinely conduct construction inspections. The CSHO will become acquainted with how the building process proceeds from site clearing to building finishing. Corresponding subparts of 29 CFR 1926 are presented in conjunction with the building process. The course features a field trip to a construction site to emphasize and reinforce learning.

i) Incident Command System Courses. When responding to an identified incident, the CSHO must be able to operate efficiently within the parameters of an Incident Command System (ICS). All CSHO's are required to complete FEMA courses IS-700.a and IS-100.a. Additionally, members of the department's emergency response/homeland security team must also take IS-200.a. Bureau chiefs may approve one of two options for taking these courses:

- a. FEMA IS 700.a & IS-100.a may be taken online. These NIMS courses are located on FEMA's Emergency Management Institute Independent Study Program Internet website. The current title for IS 700.a is *National Incident Management System, an Introduction*, the current title for the IS-100.a is *IS-100a (ICS 100), Introduction to Incident Command System I-100*. The current title for IS-200 is *IS-200a (ICS 200), ICS for Single Resources and Initial Action Incidents*. While the IS-200.a course is available online, it is recommended that this course be taken in a classroom setting so the students can learn to use the various forms.
- b. An equivalent ICS training sponsored by a government agency (federal, state, or local): such a course must follow the guidelines developed by the National Integration Center provided in the *National Standard Curriculum Training Development Guidance* document. The most

current version of this document can be found on the Federal Emergency Management Agency's (FEMA's) National Incident Management System (NIMS) Training Internet web pages. Additionally, instructors must have qualifications specified by the NIC as posted on these web pages.

F. Waiver from Required Training Program.

- 1) Waiver Conditions. The training program outlined in this instruction is required to be completed during the first three years of a CSHO's career. Bureau chiefs have discretion to waive any of the required courses listed, with the exception of the #141 (or #1410) Inspection Techniques and Legal Aspects course. Waivers will be used rarely and will be granted only in exceptional circumstances.
- 2) Assessment and Documentation. The district supervisor must assess and document that the CSHO has demonstrated the tasks listed in the course objectives for the course being waived. After an assessment has been made, waiver requests will be submitted in writing by the district supervisor to the bureau chief. The waiver request will document why the CSHO does not need to attend the specified course. The documentation will include how the CSHO has acquired the levels of knowledge, skills and abilities reflected in the objectives of the course for which the waiver is being requested. Not only must equivalent technical knowledge and skills be documented, the documentation will also indicate that the CSHO has institutional understanding of OSH Division-specific policies and procedures. For example, criteria may include experience as a CSHO with another OSHA State Plan State or as a federal OSHA CSHO.
- 3) Waiver Requests. Only the bureau chief can grant a waiver and will respond to waiver requests in writing. Copies of responses approving waiver requests will be provided to the district supervisor and assistant director. The district supervisor will annotate the CSHO's training record to reflect required courses that have been waived by the bureau chief.

G. Time Extensions. The time requirements for completing the training shown in this OPN must be met. Only the CSHO's bureau chief can grant a time extension, which must be based on extenuating circumstances. The time allowed to complete the required courses should also allow insertion of technical courses throughout the three-year period. Technical courses may be taken at any time during the three-year period after the CSHO has completed both #100 (or #1000) Initial Compliance and one of the standards courses.

- 1) Time Extension Conditions. If there are circumstances that prevent the CSHO from completing the required courses within the three-year period, the bureau chief can extend the time for completion of the required courses for a period of up to one year. The use of time extensions could extend the time allowed for a CSHO to complete the required courses to a maximum of four years from their employment date.
- 2) Time Extension Requests. Time extensions will be submitted in writing by the district supervisor to the bureau chief. Time extension requests include the reason(s) additional time is needed by the CSHO to complete the required training, the amount of time requested, and the course(s) that will be completed during the requested time extension.
- 3) Time Extension Approvals. The bureau chief will respond to the time extension request in writing. Copies of the responses approving time extension requests will be provided to the district supervisor and assistant director. The district supervisor will annotate the CSHO's

training record to reflect the extension of time.

H. **Monitoring the Training Program.** Monitoring the CSHO's progress through the first three-year period is critical to ensure the success of the training program. Monitoring provides information regarding the benefits and effectiveness of the training received. In addition, it provides information on the ability of the CSHO to achieve training goals and objectives. The district supervisor and CSHO II both play major roles in the monitoring process.

- 1) The CSHO II will:
 - a) Ensure that each CSHO has completed the necessary prerequisites before attending training courses.
 - b) Review the CSHO's performance on recommended self-study and on-the-job training (OJT) assignments.
 - c) Conduct a review with the CSHO following each recommended self-study and OJT inspection activity. This review provides the supervisor with information on the progress of the CSHO and can assist in identifying areas requiring further training.
 - d) Determine when the CSHO has sufficient experience to participate fully in developing the actual case file; the OJT review may be discontinued when this has been effectively accomplished.
- 2) The district supervisor will monitor implementation of the training program outlined in this instruction through review of the CSHO's training documents and periodic meetings with the CSHO. The district supervisor will also meet periodically with the CSHO II mentoring the training of the CSHO.

I. **Continuation of CSHO Development.**

- 1) **Professional Standing, Recognition and Professional Certification.** The series of courses listed for the CSHO's first three years provide a foundation for proficiency. Those CSHOs who choose to work toward a high level of knowledge and skill are encouraged to continue to attend technical courses. While professional certification is an important career milestone, it is not the only path to gaining professional standing or recognition. CSHOs that complete new, complex or difficult assignments expand their capabilities and broaden their role as a safety and health professional inside and outside the OSH Division
- 2) **Role of Individual Development Plans.** An Individual Development Plan (IDP) is an active plan to help the CSHO achieve organizational and career goals. IDPs must be updated annually during the annual final evaluation and serve as a tool to provide documentation for each CSHO to chart and monitor their own progress toward developmental goals. An IDP can help a CSHO:
 - a) Achieve and enhance the level of knowledge and skills required to achieve the functional competencies of a CSHO.
 - b) Build expertise as an OSH Division safety and health professional.

- c) Continue professional development throughout their career.
- 3) IDPs for the Initial Three-Year Period. Appendices A and B serve as guidelines for district supervisors to select appropriate training outlined by this instruction during the first three years. The IDP (Form DL-80) should reflect:
 - a) Mandatory training required during the three-year period as outlined in this instruction.
 - b) State training requirements.
 - c) Other developmental training as determined by the CSHO's district supervisor. For example:
 - a. Supplemental training at the state and bureau level that includes formal and/or informal mentoring by higher graded personnel and/or CSHOs with specialized experience.
 - b. Participation in various classes of inspections and a variety of industries and worksites.
- 4) IDPs Developed after the Three-Year Period.
 - a) The IDP should follow the guidance outlined in OSHA Instruction PER 05-00-001 (PER 10-1.1) OSHA Training Policy.
 - b) An IDP helps the CSHO continue to improve their present performance and prepare them for more responsible work in accordance with their potential and interests, and the needs of the OSH Division.
 - c) At a minimum, each CSHO is required to attend a safety and health related course once every three years. Appendices C and D are provided to assist supervisors and CSHOs in preparing IDPs for continuing development.

J. **Evaluation.** An overall evaluation of the training program for OSH Division compliance personnel effectiveness will be conducted by staff from ETTA or through the monitoring process of Federal OSHA.

- 1) Established evaluation processes and criteria include:
 - a) Maintaining accreditation through third party evaluations such as the International Association of Continuing Education and Training (IACET). OTI and the Directorate of Training and Education have been accredited by IACET since 2002. Retaining accreditation requires periodic internal reviews and reaccreditation not less than every five years.
 - b) Meeting or exceeding federal OSHA's goals for effective management of training for each CSHO's competency at various points in their career.
- 2) ETTA distributes course evaluation surveys at the end of each class. This information provides valuable feedback from the perspective of the CSHO to determine the perceived value and impact of instruction. It also serves as a basis for proposing changes to course

OPN 64C cont'd.

objectives, course content and presentation methods.

- K. **Expiration.** OPN 64B is cancelled. This OPN is effective on the date of signature. It will remain in effect until revised or canceled by the director.

Signed on Original

Marcy Collyer

ETTA Training Supervisor

Signed on Original

Allen McNeely

Director

Signed on Original

Phil Hooper

East Compliance Bureau Chief

10/06/2010

Date of Signature

Background and Description of Appendix A. This Appendix is recommended as a tool for supervisors of first year CSHOs.

ETTA coordinates formalized training for CSHOs through its competency-based approach to curriculum. As a professional, the CSHO will acquire additional knowledge, skills, abilities and behaviors through other sources such as Self-Instruction (S.I.) and On-the-Job Training (O.J.T.) which enhance the formal training a new CSHO receives. This Appendix offers recommendations for both S.I. and O.J.T. activities to be completed along with formal training.

The Appendix A table lists activities that should be completed in the field office prior to and after attending specified formal courses. Items listed in the “Activity” column should be completed by all CSHOs. Activities recommended specifically for safety specialists and industrial hygienists are listed in the last two columns. Each activity and discipline-specific recommendation is provided to complement material covered in the formal training courses.

Time allotted to accomplish S.I. and O.J.T. assignments should be compatible with the newly-hired CSHO’s current knowledge, skill and experience levels. The district supervisor should verify the CSHO’s ability to successfully complete S.I. and O.J.T. assignments. Training assignments may also be supplemented by other comparable task assignments deemed appropriate and/or equivalent by the supervisor.

| Type of Activity | Activity Description | Date Completed | Safety Specialists | Industrial Hygienists |
|---|---|----------------|--|-----------------------|
| PRIOR to Attending OSH Division Course #100 or OSHA Training Institute’s Course #1000 Initial Compliance | | | | |
| O.J.T. | Work with office administrative support personnel to identify and become familiar with office administrative procedures (both personnel and citation processing) | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |
| | Work with the district supervisor or an assigned CSHO II mentor to review the department and division <i>New Employee Orientation Procedures</i> . This will be scheduled during the first weeks of the CSHO’s employment | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |

| Type of Activity | Activity Description | Date Completed | Safety Specialists | Industrial Hygienists |
|------------------|--|----------------|--|-----------------------|
| O.J.T. | <p>Explore the OSH Division Intranet and Internet sites. Begin with the following: OSH Division Information Systems:</p> <ul style="list-style-type: none"> * Current NCR system or new OSHA Information System, OIS (general application) * CSHO Apps * OSHA forms (e.g., OSHA-1, -1A, and -1B) * Use of OSHA Integrated Management Information System (IMIS) data * SAVES – Standard Alleged Violation Elements <p>OSH Division public page (Internet):</p> <ul style="list-style-type: none"> * Current <i>Field Operations Manual</i> (FOM) * Services offered by NCDOL * NCDOL Personnel | ___/___/___ | <i>No Additional Discipline-Specific Recommendations</i> | OSHA-1B |
| | Receive training and instructions on use and limitations of PPE (e.g., hard hats, safety glasses, hearing protection, high-visibility road vests and safety shoes) | ___/___/___ | <i>No Additional Discipline-Specific Recommendations</i> | |
| | Receive training and instructions on personal use of respirators, according to OSH Division programs and be fit-tested | | | |
| | <p>With team leader or assigned CSHO II mentor, review clients basic programs such as:</p> <ul style="list-style-type: none"> * Hazard Communication * The Control of Hazardous Energy (Lock-out/Tag out) * Recordkeeping | | | |

| Type of Activity | Activity Description | Date Completed | Safety Specialists | Industrial Hygienists |
|------------------|---|----------------|--|---|
| S.I. | Read and review North Carolina's OSH Act (OSHANC) and become familiar with: 1.NCGS 95 Article 16 2. which employers and employees are covered and 3. the responsibilities of employers and employees | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |
| | Review the Table of Contents of 29 CFR 1910 and 29 CFR 1926 to become familiar with the types of hazards covered by OSHA regulations Consult with team leader or assigned CSHO II mentor to determine which hazards are more likely to be investigated by safety specialists vs. those more likely to be investigated by industrial hygienists | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |
| | Review and become familiar with the resources offered on Federal OSHA's public (Internet) web page | __/__/__ | | |
| | Review the NCDOL Emergency Response Plan available on the NCDOL Intranet | __/__/__ | | |
| O.J.T. | Accompany a released CSHO on a programmed planned inspection and observe the following: * Inspection preparation * Calibration of instruments * Opening conference * Walkthrough * Use of instruments or other measuring devices * Closing conference * Preparation of citations | __/__/__ | Instruments might include Santronics AC sensor, velometer, inclinometer, engineering rod | Instruments might include air or noise sampling equipment |

| Type of Activity | Activity Description | Date Completed | Safety Specialists | Industrial Hygienists |
|---|---|----------------|--|-----------------------|
| | Accompany a fully-qualified CSHO on an unprogrammed inspection | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |
| Attend Formal Training: Course # 100 or Course #1000 Initial Compliance - including web-based segment prior to instructor-led (i.e., classroom) training | | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |
| S.I. | Review the contents of 29 CFR 1915 and 1917, and consult with team leader or assigned CSHO II mentor to determine when the office could make an inspection using these standards | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |
| | Review the contents of 29 CFR 1928 and consult with team leader or assigned CSHO II mentor to identify inspections under this Part | __/__/__ | | |
| O.J.T. | If the District Office conducts inspections under the 29 CFR 1915 and 1917 standards, accompany a released qualified CSHO on an inspection involving these standards (East compliance bureau only.) | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |
| | Accompany a released ASH CSHO on an inspection involving agriculture operations which applies the 29 CFR 1928 standard, | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |

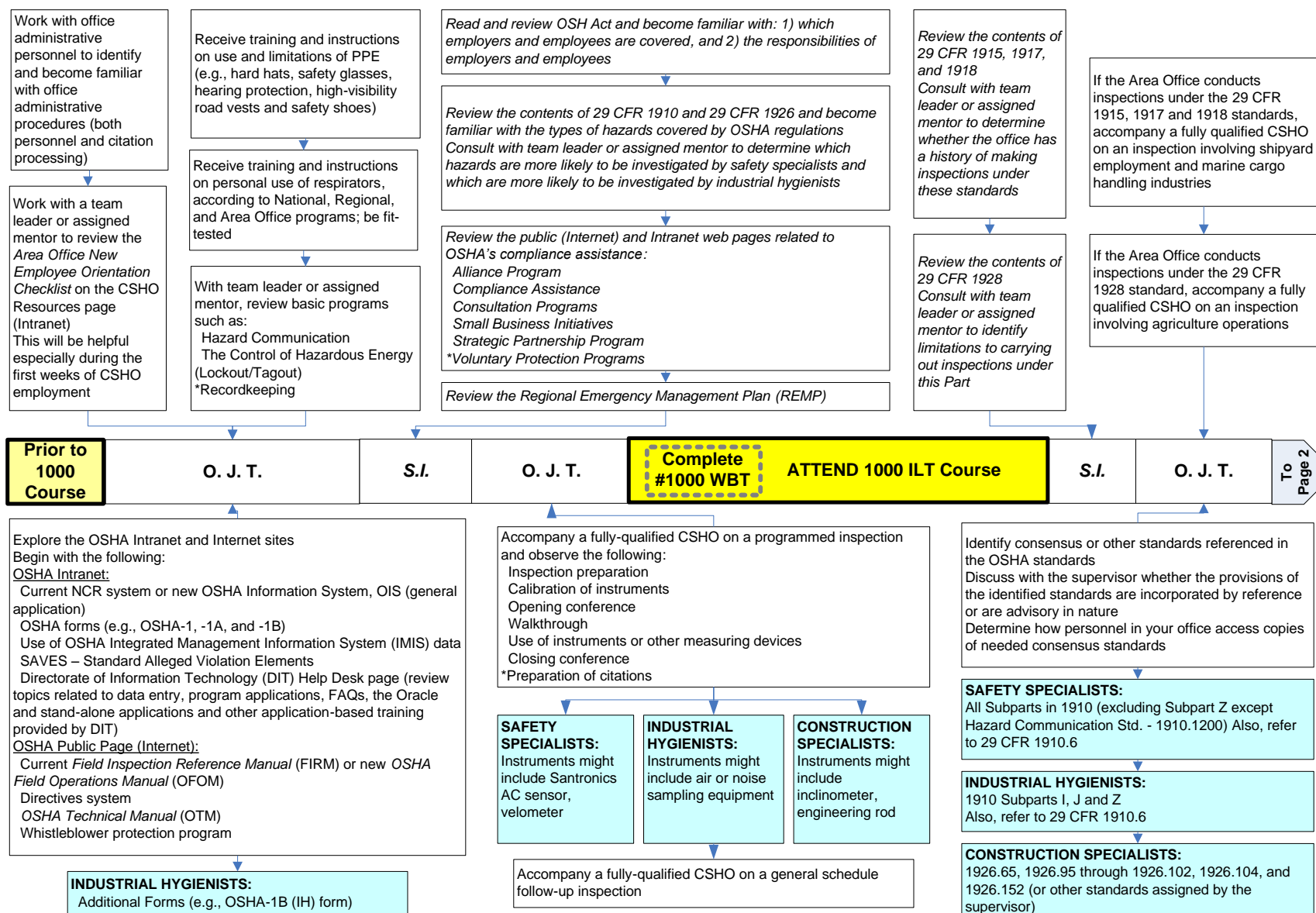
| Type of Activity | Activity Description | Date Completed | Safety Specialists | Industrial Hygienists |
|------------------|--|----------------|--|---|
| O.J.T. | Identify consensus or other standards referenced in the OSH Division standards, discuss with the district supervisor whether the provisions of the identified standards are incorporated by reference or are advisory in nature, and determine how personnel in your office access copies of needed consensus standards | __/__/__ | All Subparts in 1910 (excluding Subpart Z except Hazard Communication Std. - 1910.1200) Also, refer to 29 CFR 1910.6, 1926.65, 1926.95 thru 1926.102, 1926.104, and 1926.152 (or other standards assigned by the district supervisor) | 1910 Subparts I, J and Z Also, refer to 29 CFR 1910.6, 1926.65, 1926.95 thru 1926.102, 1926.104, and 1926.152 (or other standards assigned by the district supervisor) |
| | Specific to your career path, accompany a released CSHO on an inspection and discuss related technical information from that inspection | __/__/__ | Example: after an inspection involving storage of flammable and combustible liquids, discuss chemistry related to fire and solvents | Example: after an inspection involving lead or silica exposures, discuss toxicology and health effects, dose-response relationships, feasible engineering controls |
| | With a district supervisor or assigned CSHO II mentor, review calibration and maintenance requirements of equipment used in your discipline (e.g., detector tube pumps, carbon monoxide and/or multiple gas meters, receptacle (three-light) tester, sound level meters, camera, tape measure) | __/__/__ | Examples include: Santronics AC sensor, voltage tester, engineering rod, inclinometer | Examples include: air monitoring instrumentation, noise dosimeters, multi gas meters |
| | With a district supervisor or assigned CSHO II mentor, identify the instruments used by personnel in your specific discipline that are maintained in the field office (e.g., detector tube pumps, carbon monoxide and/or multiple gas meters, receptacle (three-light) tester, sound level meters, camera, tape measure) | __/__/__ | Examples include: Santronics AC sensor, voltage tester, engineering rod, inclinometer | Examples include: air monitoring equipment, noise instrumentation, velometers, heat stress monitors |

| Type of Activity | Activity Description | Date Completed | Safety Specialists | Industrial Hygienists |
|---|---|----------------|--|---|
| | Work with a district supervisor or assigned CSHO II mentor to identify and become familiar with OSHA's Nationally Recognized Testing Laboratory (NRTL) program | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |
| | With a district supervisor or assigned CSHO II mentor, review the NCGS 95-129(1) process | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |
| Attend Formal Standards Course per CSHO Discipline | | __/__/__ | Course # 105 or #1050 Introduction to Safety Standards | Course# 125 or #1250 Introduction to Health Standards |
| S.I. | Review the NCDOL library's basic texts, references, and materials related to your discipline's hazards and controls | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |
| | Prepare a written technical report or PowerPoint presentation for a district meeting for a specific type of hazard related to your discipline. Include: <ul style="list-style-type: none"> * Types of worksites where the hazard may be expected to occur * Work activities that may involve the hazard * Equipment that may be associated with the hazard * Engineering and/or administrative controls and PPE that may be required to control the hazard * Related OSHA standards | __/__/__ | Examples include: amputations, electrical, fall from heights, trenching | Examples include: noise, temperature stress, exposure to toxic air contaminants |

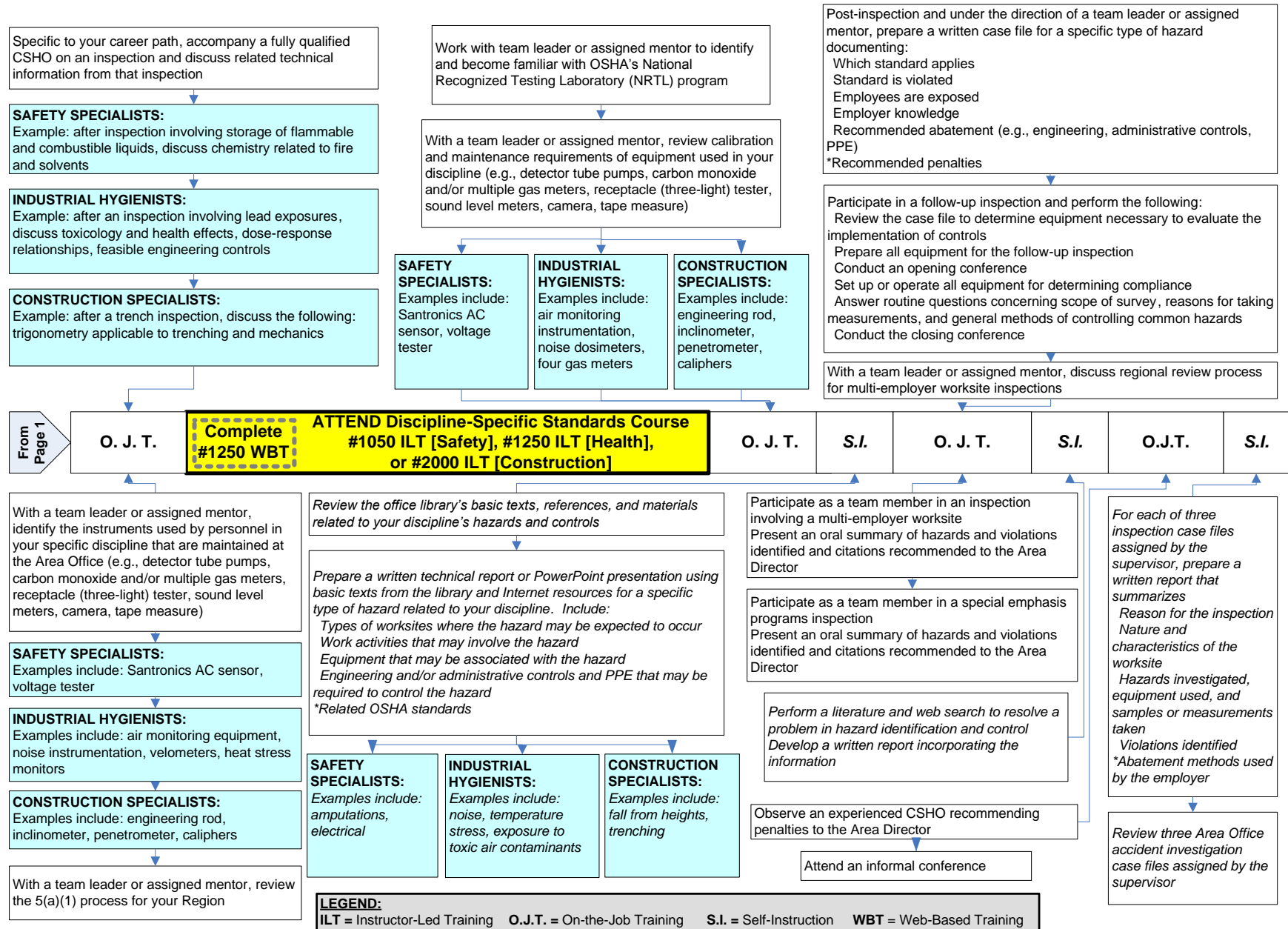
| Type of Activity | Activity Description | Date Completed | Safety Specialists | Industrial Hygienists |
|------------------|---|----------------|---|-----------------------|
| O.J.T. | Post-inspection and under the direction of a district supervisor or assigned CSHO II mentor, prepare a mock 1B for a specific type of hazard documenting: <ul style="list-style-type: none"> * Which standard applies * Which standard is violated * Employees exposed * Employer knowledge * Recommended abatement (e.g., engineering, administrative controls, PPE) * Recommended penalties | __/__/____ | No Additional Discipline-Specific Recommendations | |
| | Participate in a follow-up inspection and perform the following: <ul style="list-style-type: none"> * Review the case file to determine equipment necessary to evaluate the implementation of controls * Prepare all equipment for the follow-up inspection * Conduct an opening conference * Set up or operate all equipment for determining compliance * Answer routine questions concerning scope of survey, reasons for taking measurements, and general methods of controlling common hazards * Conduct the closing conference | __/__/____ | | |
| | With a district supervisor or assigned CSHO II mentor, discuss the division's citation authorization review process | __/__/____ | | |

| Type of Activity | Activity Description | Date Completed | Safety Specialists | Industrial Hygienists |
|------------------|--|----------------|--|-----------------------|
| O.J.T. | Participate as a team member in an inspection involving a multi-employer worksite Present an oral summary of hazards and violations identified and citations recommended to the district supervisor or assigned CSHO II mentor | __/__/__ | | |
| | Participate as a team member in a special emphasis program inspection Present an oral summary of hazards and violations identified and citations recommended to the district supervisor or assigned CSHO II mentor | __/__/__ | | |
| S.I. | Perform a literature and web search to resolve a problem in hazard identification and control then develop a written report incorporating the information | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |
| O.J.T. | Attend an informal conference | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |
| S.I. | For each of three inspection case files assigned by the district supervisor or assigned CSHO II mentor, prepare a written report that summarizes <ul style="list-style-type: none"> * Reason for the inspection * Nature and characteristics of the worksite * Hazards investigated, equipment used, and samples or measurements taken * Violations identified * Abatement methods used by the employer | __/__/__ | <i>No Additional Discipline-Specific Recommendations</i> | |
| | Review three field office accident investigation case files | __/__/__ | | |

CSHO First Year Training Plan [TED Appendix A] Summary - Page 1 of 2



LEGEND:
 ILT = Instructor-Led Training O.J.T. = On-the-Job Training S.I. = Self-Instruction WBT = Web-Based Training



Appendix B. Recommended CSHO Training Activities for Years Two and Three

Background and Description of Appendix B. This Appendix is a tool for district supervisors of CSHOs to use to plan training during the CSHO's second and third years of employment. Ideally, the courses would be taken in the order listed. The proposed sequence assists CSHOs with building professional expertise by setting incremental, achievable goals.

Some of the initial courses recommended for years two and three include an application of technical knowledge; however, the initial courses are not intended to provide an in-depth perspective in any specific technical area. ETTA can coordinate additional courses that deal specifically with skills and knowledge in several technical areas related to safety and health. Refer to Appendix D *Correlation of OTI Courses to Professional Certification* for more detailed information about courses that relate to professional certification.

After completion of each of the required courses and optional recommended technical courses, District supervisors should assign CSHOs inspections which further reinforce the retention and transfer of the course learning objectives.

Years two and three offer the CSHO opportunities to reach professional development goals by:

- Completing the required courses
- Selecting optional technical courses to support professional development
- Self-Instruction (SI)
- On-the-Job Training (OJT)
- Completing any training required by various standards or directives as assigned by the district supervisor. (Refer to Appendix C for more information).

| Required OSH Div/OTI Courses | Follow-up On-the-Job Training (OJT) | Self-Instruction (SI) | Applies Technical Knowledge |
|--|---|-----------------------|---|
| # 131 or #1310 Investigative Interviewing Techniques | After completion of: <ul style="list-style-type: none">○ #131 or #1310 <i>Investigative Interviewing Techniques and</i>○ # 123 or #1230 <i>Accident Investigation</i> CSHOs should: <ul style="list-style-type: none">○ Participate in three accident/fatality investigations under the guidance of a team leader and/or a released CSHO○ Be given the opportunity to demonstrate effective investigative interviewing techniques | None | This course does not specifically apply technical knowledge |

Appendix B. Recommended CSHO Training Activities for Years Two and Three

| Required OSH Div/OTI Courses | Follow-up On-the-Job Training (OJT) | Self-Instruction (SI) | Applies Technical Knowledge |
|--|--|---|---|
| #141 or #1410 Inspection Techniques and Legal Aspects | <p>After completion of:</p> <ul style="list-style-type: none"> ○ # 141 or #1410 <i>Inspection Techniques and Legal Aspects</i> and ○ Three inspections <p>The CSHO should discuss with their district supervisor or assigned CSHO II mentor:</p> <ul style="list-style-type: none"> ○ Whether each case has adequate documentation to defend the case during legal proceedings ○ What additional documentation might have strengthened the case | Research and read new and applicable court cases, settlement cases and other OSH Division policy documents related to course content | This course does not specifically apply technical knowledge |
| # 245 or #2450 Evaluation of Safety and Health Management Systems | <p>After completion of # 245 or #2450 <i>Evaluation of Safety and Health Management System</i>, the CSHO should:</p> <ul style="list-style-type: none"> ○ Participate in a minimum of three inspections of establishments that have a written safety and health program ○ For each inspection, the CSHO should <ul style="list-style-type: none"> ● Evaluate the effectiveness of the safety and health program ● Document their reasoning ● Discuss the evaluation with their district supervisor | Research and read new and applicable letters of interpretation, directives, court cases, memoranda of understanding and other OSH Division policy documents related to course content | This course applies basic technical knowledge |
| # 123 or #1230 Accident Investigation | <p>After completion of:</p> <ul style="list-style-type: none"> ○ # 131 or #1310 <i>Investigative Interviewing Techniques</i> and ○ # 123 or #1230 <i>Accident Investigation</i> <p>CSHOs should:</p> <ul style="list-style-type: none"> ○ Participate in three accident/fatality investigations under the guidance of a district supervisor or assigned CSHO II mentor ○ Be given the opportunity to demonstrate effective investigative interviewing techniques | Research and read new and applicable letters of interpretation, directives, court cases, memoranda of understanding and other OSH Division policy documents related to course content | This course applies basic technical knowledge |

Appendix B. Recommended CSHO Training Activities for Years Two and Three

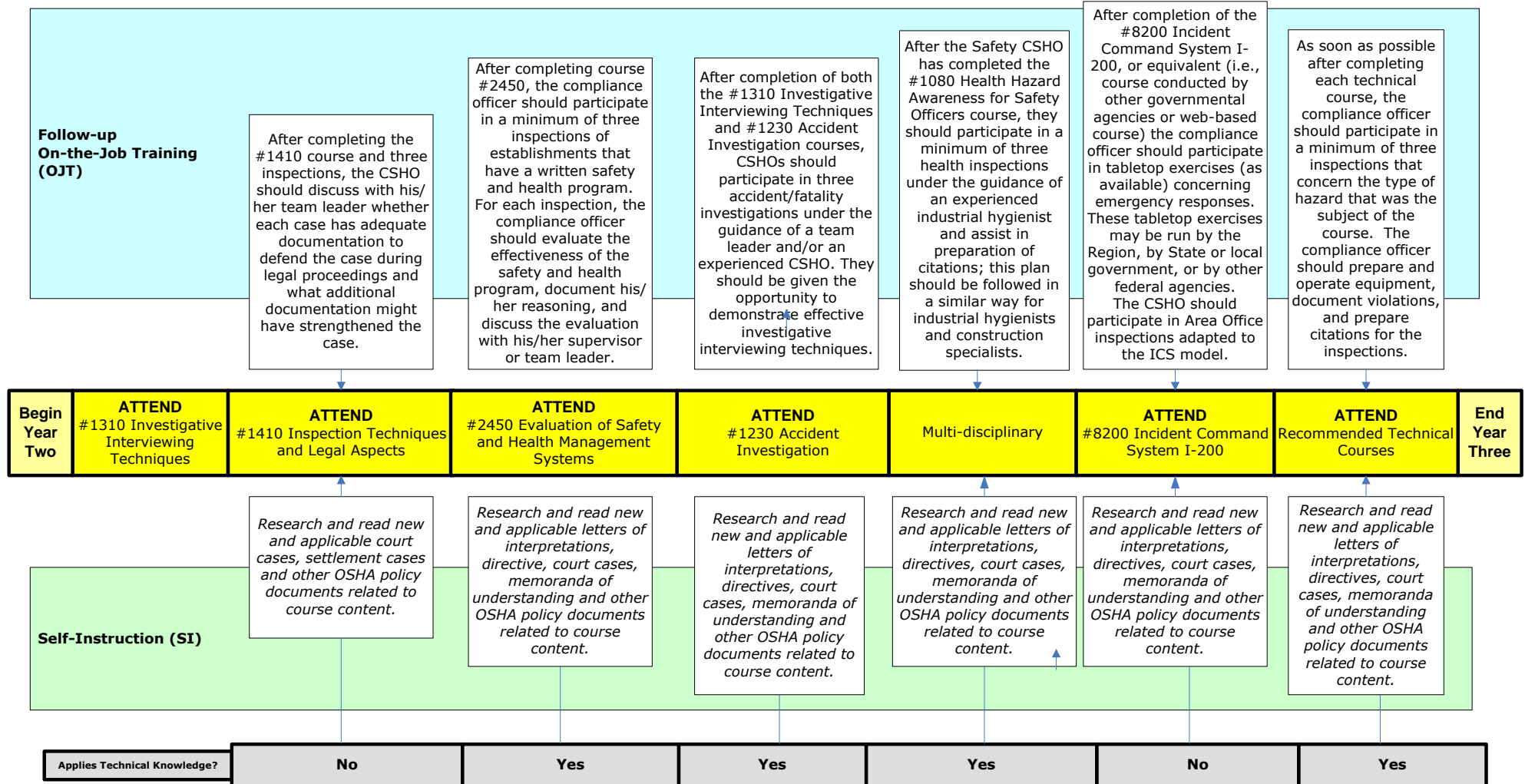
| Required OSH Div/OTI Courses | Follow-up On-the-Job Training (OJT) | Self-Instruction (SI) | Applies Technical Knowledge |
|---|--|---|--|
| <p>Safety Specialists #1080 Health Hazard Awareness for Safety Officers or the first four days of #125 course</p> <p>Industrial Hygienists #1280 Safety Hazard Awareness for Industrial Hygienists or the first three days of # 105 course</p> <p>Construction Specialists #1080 Health Hazard Awareness for Safety Officers or the first four days of # 125 course</p> | <p>Safety Specialists. After the Safety Specialist has completed the #1080 <i>Health Hazard Awareness for Safety Officers</i> course or first the four days of #125 course, they should participate in a minimum of three health inspections under the guidance of an experienced industrial hygienist and assist in preparation of citations</p> <p>Industrial Hygienists. After the Industrial Hygienist has completed the #1280 <i>Safety Hazard Awareness for Industrial Hygienists</i> course or the first three days of # 105 course, they should participate in a minimum of three safety inspections under the guidance of an experienced safety specialist and assist in preparation of citations</p> <p>Construction Specialists. After Construction Specialists have completed the #1080 <i>Health Hazard Awareness for Safety Officers</i> course or the first four days of # 125 course, they should participate in a minimum of three health inspections under the guidance of an experienced safety specialist and assist in preparation of citations</p> | <p>Research and read new and applicable letters of interpretation, directives, court cases, memoranda of understanding and other OSH Division policy documents related to course content</p> | <p>These courses apply basic technical knowledge</p> |
| <p>Incident Command System I-200</p> | <p>After completion of the <i>Incident Command System I-200</i>, or equivalent (e.g., web-based course) the CSHO should participate in tabletop exercises (as available) concerning emergency responses. These tabletop exercises may be run by OSH, by State or local government, or by other federal agencies. The CSHO should participate in field office inspections adapted to the ICS model</p> | <p>Research and read new and applicable letters of interpretations, directives, court cases, memoranda of understanding and other OSH Division policy documents related to course content</p> | <p>This course does not specifically apply technical knowledge</p> |

Appendix B. Recommended CSHO Training Activities for Years Two and Three

| Required OSH Div/OTI Courses | Follow-up On-the-Job Training (OJT) | Self-Instruction (SI) | Applies Technical Knowledge |
|---|--|--|---|
| <p>Technical Courses</p> <p>Safety Specialists Build on skills and experience in a related technical area such as machine guarding or lock-out/tagout</p> <p>Industrial Hygienists Build on skills and experience in a related technical area such as noise sampling or air contaminant sampling</p> | <p>Safety Specialists. After the safety specialist has completed a technical course such as the #2030 <i>Basic Electrical Principles</i> or the #2040 <i>Machinery and Machine Guarding Standards</i>, the safety specialist should participate in a minimum of three inspections that:</p> <ul style="list-style-type: none"> ○ Concern the type of hazard that was the subject of the technical course ○ Prepare and operate equipment appropriate for an inspection related to the technical area ○ Document violations and prepare citations for inspections related to the technical area <p>After the safety specialist has completed a technical course such as the #3010 <i>Excavation, Trenching and Soil Mechanics</i> or the #3080 <i>Principles of Scaffolding</i>, the safety specialist should participate in a minimum of three inspections that:</p> <ul style="list-style-type: none"> ○ Concern the type of hazard that was the subject of the technical course ○ Prepare and operate equipment appropriate for an inspection related to the technical area ○ Document violations and prepare citations for inspections related to the technical area <p>Industrial Hygienists. After the industrial hygienist has completed a technical course such as the #2200 <i>Industrial Noise</i> or the #2210 <i>Principles of Ventilation</i>, the industrial hygienist should participate in a minimum of three inspections that:</p> <ul style="list-style-type: none"> ○ Concern the type of hazard that was the subject of the technical course ○ Prepare and operate equipment appropriate for an inspection related to the technical area <p>Document violations and prepare citations for inspections related to the technical area</p> | <p>Research and read new and applicable letters of interpretation, directives, court cases, memoranda of understanding and other OSH Division policy documents related to technical course content</p> | <p>These courses apply technical knowledge that is beyond the basic level</p> |

Appendix B. Recommended CSHO Training Activities for Years Two and Three

CSHO Years Two & Three Training Plan [TED Appendix B] Summary Page



Appendix C. OTI Courses Required or Recommended in OSHA Directives

This Appendix is recommended as a tool for district supervisors to help determine additional training specifically required or recommended by OSH Division directives. The training listed in this Appendix may be taken at any time after completion of the two required courses: #100 or #1000 Initial Compliance course and the appropriate standards course (# 105 or #1050 Introduction to Safety Standards for Safety Officers or #125 or #1250 Introduction to Health Standards for Industrial Hygienists).

| Directive | OSH Division Personnel | OSH Division/OTI Course | Comments |
|--|---|---|--|
| Fatality/Catastrophe Investigation Procedures CPL 02-00-137 | OSH Division personnel who may be involved in fatality and catastrophe investigations | 1. #100 or #1000 Initial Compliance | <p>OSHA personnel who may be involved in such investigations are encouraged to enroll in these classes and demonstrate proficiency in the relevant areas addressed.</p> <p>To the extent practical, only trained and experienced CSHOs will be assigned to investigate such incidents.</p> |
| | | 2. # 102 or #1020 Basic Accident Investigation <i>(Editorial note: will become obsolete when #1230 Accident Investigation is offered)</i> | |
| | | 3. # 141 or #1410 Inspection Techniques and Legal Aspects 4. #2020 Advanced Accident Investigation <i>(Editorial note: will become obsolete when #123 or #1230 Accident Investigation is offered)</i> 5. 5. #3420 Criminal Investigation Training Program | |

Appendix C. OTI Courses Required or Recommended in OSHA Directives

| Directive | OSH Division Personnel | OSH Division/OTI Course | Comments |
|--|--|--|---|
| Enforcement of the Electric Power Generation, Transmission and Distribution Standard CPL 02-01-038 | CSHOs inspecting an electric power generation, transmission and/or distribution facility or other site covered by 1910.269 and who must enter an electrical restricted space | #3109 Electric Power Generation, Transmission and Distribution | Required (or equivalent course) NOTE: Some CSHOs have received electrical safety-related work practice training through utility or other industry work experience and training. This experience and outside training may be used to meet the minimum training requirements. Additionally, CSHOs who have outside training/experience or who have successfully completed the interim 3-day OTI course of 1910.269 may perform such inspections; however, they are encouraged to attend the OTI #3109 course |
| Respiratory Protection Program Guidelines CPL 02-02-054 | Respirator Program Administrators | #2220 Respiratory Protection | Required (or equivalent course) |
| Application of the Permit-Required Confined Spaces (PRCS) Standard, 29 CFR 1910.146 CPL 02-00-100 | CSHOs that will be entering permit spaces or enclosed spaces | <ol style="list-style-type: none"> 1. Confined Space Entry 2. Respiratory Protection 3. Introduction to Industrial Hygiene for Safety Personnel <p><i>(Editorial Note: CPL 02-00-100 and CPL 02-01-038 do not specify course numbers)</i></p> | Required (or equivalent courses) |

Appendix C. OTI Courses Required or Recommended in OSHA Directives

| Directive | OSH Division Personnel | OSH Division/OTI Course | Comments |
|--|--|---|---|
| Exposure Control Plan for OSHA Personnel with Occupational Exposure to Bloodborne Pathogens CPL 02-02-060 | One representative from each District | Bloodborne Pathogens Training at OTI (<i>Editorial Note: although course name & number are not specified, OTI course #2240, Biohazards, would include BBP training</i>) The OTI course is conducted by a combination of health care professionals and non-health care professionals with expertise in the standard | After OTI training, the OSH Division personnel conduct training sessions for other OSH personnel covered by this Plan in their districts Note that training records are to contain all information specified in 1910.1030(h)(2) and will be maintained for 3 years from the date on which the training occurred. Training records will be held by ETTA |
| FAA Air Traffic Control Tower Monitoring Program (AIRTRAF) FAP 01-00-004 | CSHOs selected to conduct FAA ATCT inspections | 1. #2070, Fire Protection and Life Safety, or equivalent 2. ATCT Monitoring Program Training Course (<i>Editorial Note: this is OTI course #3170</i>) | |

Appendix C. OTI Courses Required or Recommended in OSHA Directives

| Directive | OSH Division Personnel | OSH Division/OTI Course | Comments |
|--|---|--|--|
| The Control of Hazardous Energy – Enforcement Policy and Inspection Procedures CPL 02-00-147 | CSHOs evaluating machines and equipment to determine that they are properly locked and/or tagged out in accordance with 1910.147 and 1910.333 | <p>Recommended OTI courses include:</p> <p>#1010, Introduction to Safety Standards for Industrial Hygienists</p> <p>#1050, Introduction to Safety Standards for the Safety Officer</p> <p>#2030, Basic Electrical Principles</p> <p>#3090, Electrical Standards</p> <p>#3094, refer to note below</p> <p>#3095, refer to note below</p> <p>#3190, Electric Power Generation, Transmission & Distribution</p> <p><i>Editorial Note: Although the directive recommends the #1000, Initial Compliance course, energy control principles are not covered in this course. Also, OTI no longer offers the shortened Electrical Standards courses (#3094 and #3095)</i></p> | Experienced OSH Division staff may already have many OTI courses (or other training with equivalent curriculum) that cover LOTO and electrical safety-related energy control practices; therefore, employment records and training certificates may be used to certify that training has been accomplished |

Appendix C. OTI Courses Required or Recommended in OSHA Directives

| Directive | OSH Division Personnel | OSH Division/OTI Course | Comments |
|---|---|---|---|
| <p>State Emergency Management Plan (SEMP)</p> <p>and</p> <p>Inspection Procedures for 29 CFR 1910.120 and 1926.65 Paragraph (q): Emergency Response to Hazardous Substance Releases CPL 02-02-073</p> | OSH Division personnel assigned a role or function related to implementing the SEMP | 1. ISC Level 200 Course (<i>Editorial note: this is OTI Course #8200</i>) | Required |
| <p>Shipyard Employment “Tool Bag” CPL 02-00-142</p> | OSH Division On-site Leaders/Coordinators | 1. ISC Level 200 Course 2. ICS for Executives (Training Module 17 of the ICS training program) 3. #3600 OSHA Technical Assistance for Emergencies 4. #3610 OSHA On-site Leaders/Coordinators | Required “ICS for Executives” is required for directors and their designees, the assistant director, the state office executive staff and other designated senior management staff |
| | CSHOs that will participate in any shipyard employment interventions or inspections | DTE offers a course that is specific to shipyard employment industry entitled “Shipyard Processes and Standards”, course #2090 | Supervisors or team leaders are responsible for ensuring that CSHOs are qualified by either training or experience to inspect/intervene in shipyard employment establishments |

Appendix C. OTI Courses Required or Recommended in OSHA Directives

| Directive | OSH Division Personnel | OSH Division/OTI Course | Comments |
|--|--|---|--|
| Longshoring and Marine Terminals “Tool Shed” CPL 02-00-139 | CSHOs that will participate in any marine cargo handling industry intervention or inspection | DTE offers a course that is specific to the marine cargo handling industry titled <i>Longshoring and Marine Terminal Processes and Standards</i> , course #2060 | Supervisors or team leaders are responsible for ensuring that CSHOs are qualified by either training or experience to inspect/intervene in marine cargo establishments |
| Combustible Dust National Emphasis Program (Reissued) CPL 03-00-008 | When possible, only CSHOs trained in recognizing the hazards associated with combustible dust will be assigned to conduct inspections under this NEP | A training course offered by the OSHA Training Institute (OTI) in recognizing combustible dust explosion hazards may be one source of such training. The training at OTI covers various topics, including engineering controls and methodologies in preventing combustible dust deflagration, other fire, and explosion hazards. In addition the training covers several NFPA documents referenced in Section III of this directive, including NFPA 654, NFPA 68, and NFPA 69 (Note: CSHOs knowledgeable in recognition and control of combustible dust hazards and familiar with NFPA provisions need not undergo the training at OTI). [Editorial Note: This is OTI course #3320, <i>Combustible Dust Hazards and Controls</i>] | The director will ensure that an appropriate number of CSHOs trained in combustible dust hazard recognition are available for inspections under this NEP |

Appendix C. OTI Courses Required or Recommended in OSHA Directives

| Directive | OSH Division Personnel | OSH Division/OTI Course | Comments |
|---------------------------------------|------------------------|---|---|
| Carolina Star Program | Onsite Evaluation Team | #2450 or OSH Division equivalent (#245), Evaluation of Safety and Health Management Systems (SHMS), or other formal classroom training in evaluating safety and health management systems (for OSH Division personnel only) plus working knowledge and understanding of SHMSs | CSHOs whose current duties include enforcement responsibilities in the region having jurisdiction over the worksite may be assigned to a STAR onsite team. However, as a general rule, such personnel may not subsequently engage in enforcement activity at the worksite for 2 years or until the worksite is no longer a STAR participant, whichever comes first. The director, on a case-by-case basis, may choose to override this 2-year requirement |
| | | | |

Appendix D. Correlation of OTI Courses to Professional Certification

Appendix D. Correlation of Formal Courses to Professional Certification

Professional Certification. Credentialing organizations such as the American Board of Industrial Hygiene and the Board of Certified Safety Professionals have spent many years developing a specific process for determining certification exam questions and the overall requirements that meet the level of achievement of a certified professional in a given field. Passing a certification exam means an individual has gained a high level of competence in their chosen profession, and the recognition accorded such an individual is commensurate with the achievement.

CSHOs are also encouraged to pursue other available professional certifications that may be appropriate for their current circumstances. For example, the certification of Associate Safety Professional (ASP) may be obtained by CSHOs who lack the required years of experience to qualify to become a Certified Safety Professional.

Relationship of Formal Courses to Professional Certification. District supervisors and CSHOs should be aware that OSH Division and/or OTI courses alone are not sufficient preparation for passing certification exams. This is due to the specific emphasis that formal OSH Division courses place upon the job functions and related on-the-job competencies that a CSHO must use every day. Certification exams are offered to the general public, not just CSHOs; they are designed to apply to a broad range of job functions and job competencies. It is recommended that district supervisors consider, in addition to technical course attendance, other methods to supplement certification preparation study, such as certification preparation software, and mentoring by other certified staff.

This following table in this Appendix highlights OTI courses that may provide information or assistance with preparation for professional certification exams offered by the Council on Certification of Health, Environmental and Safety Technologists (CCHST), the American Board of Industrial Hygiene (ABIH) and the Board of Certified Safety Professionals (BCSP). Three certifications are addressed in this Appendix: Certified Construction Health and Safety Technician (CCHST®), Certified Industrial Hygienist (CIH) and Certified Safety Professional (CSP).

Appendix D. Correlation of OTI Courses to Professional Certification

| Certified Construction Health & Safety Technician® | Certified Industrial Hygienist | Certified Safety Professional |
|---|--|--|
| 2050 Cranes and Rigging | 2200 Industrial Noise | 2010 Hazardous Materials |
| 2260 Permit-Required Confined Spaces | 2210 Principles of Ventilation | 2030 Basic Electrical Principles |
| 3010 Excavation, Trenching and Soil Mechanics | 2220 Respiratory Protection | 2050 Cranes and Rigging for Construction |
| 3020 Tunneling and Underground Operations | 2230 Industrial Toxicology | 2070 Fire Protection and Life Safety |
| 3030 Concrete, Forms and Shoring | 2240 Biohazards | 2210 Principles of Ventilation |
| 3080 Principles of Scaffolding | 2250 Ergonomics Applied to Musculoskeletal Disorders and Nerve Disorders | 2250 Ergonomics Applied to MSDs and Nerve Disorders |
| 3090 Electrical Standards | 2330 Indoor Air Quality | 2610 Ionizing Radiation |
| 3110 Fall Arrest Systems | 2260 Permit-Required Confined Spaces | 3090 Electrical Standards |
| 3160 Steel Erection | 2610 Ionizing Radiation | 3400 Hazard Analysis in the Chemical Processing Industries |
| 3500 Demolition | 3220 Applied Welding Principles | 4520 Certified Safety Professional Examination Preparation |
| | 3280 Industrial Hygiene Chemistry | |
| | 3350 Comprehensive Review of Emergency Response Under 1910.120(q) | |
| | 4530 Certified Industrial Hygienist Examination Preparation | |